Docket No.: CSHL-P01-011

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Hannon et al.

Confirmation No.:

1038

Application No.:

10/524,690

Art Unit:

1635

Filed:

February 15, 2005

For: CELL-BASED RNA INTERFERENCE AND Examiner:

Not Yet Assigned

RELATED METHODS AND COMPOSITIONS

CONSENT OF ASSIGNEE TO CORRECT INVENTORSHIP **PURSUANT TO C.F.R. § 1.497(d)(3)**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Assignee, Cold Spring Harbor Laboratory, a corporation with principal offices at One Bungtown Road, Cold Spring Harbor, New York 11724, having rights in the subject application by virtue of an assignment (as recorded at the United States Patent and Trademark Office on October 10, 2006 at Reel 018425, Frame 0239) from Gregory Hannon, Michelle Carmell, Ross Dickins, Jordan Fridman, Michael Hemann, Scott Lowe, Patrick Paddison and Jack Zilfou, each of whom was originally named an inventor in corresponding international application PCT/US03/30901(from which the above-identified application was filed under 35 U.S.C. §371), hereby consents to the request to amend the inventorship to add Stephen J. Elledge as an inventor in the subject application.

Pursuant to 37 C.F.R. § 3.73(b)(i), the undersigned is an Officer authorized to act on behalf of the Assignee Cold Spring Harbor Laboratory.

> Respectfully submitted, **Cold Spring Harbor Laboratory**

Name: John Maroney

Title: Director, Office of Technology Transfer

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CONSENT OF ASSIGNEE TO CORRECT INVENTORSHIP PURSUANT TO C.F.R. § 1.497(d)(3)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Assignee, The Research Foundation of State University of New York, a non-profit corporation with principal offices at 35 State Street, Albany, New York 12207-2826, having rights in the subject application by virtue of an assignment (as recorded at the United States Patent and Trademark Office on September 9, 2005 at Reel 016767, Frame 0700) from Thomas Rosenquist (who was originally named an inventor in corresponding international application PCT/US03/30901, from which the above-identified application was filed under 35 U.S.C. §371), hereby consents to the request to amend the inventorship to add Stephen J. Elledge as an inventor in the subject application.

Pursuant to 37 C.F.R. § 3.73(b)(i), the undersigned is an Officer authorized to act on behalf of the Assignee The Research Foundation of State University of New York.

Respectfully submitted,
Research Foundation of State University of New York
By: Chuta Osbah
Name: Chester Bisbee
Title: Director of Technology and Licensing
Date:2/19/08

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CELL-BASED RNA INTERFERENCE AND RELATED METHODS AND COMPOSITIONS

which is a national stage filing under 35 U.S.C. 371 of PCT application PCT/US03/030901, filed on February 15, 2005, now assigned Application No. 10/524690.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

х	no such foreign applications have been filed
	such foreign application have been filed as follows:

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Fi	ling	Priority Claimed Under 35 USC 11
ALL FOREIGN AP		(S), IF ANY FILEI N) PRIOR TO TH		
Application Numbe	r	Country		Date of Filing
CLAIM FOR BEN	IEFIT OF FA	RLIER U.S. PROV	/ISIONAL	APPLICATION
no such U.S. provisi	application(s)	listed below:	1.	19(e), of any Un
no such U.S. provisional such U.S. provisiona	application(s) onal application	listed below: ons have been filed have been filed as	l. follows:	ty Claimed
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no such U.S. provisional such U.S. provisional Application N	onal application(s) al application	listed below: ons have been filed have been filed as Date of Filing	follows: Priori Under	ty Claimed 35 USC 119
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no such U.S. provisional patent a no such U.S. provisional such U.S. provisional such U.S. provisional Application N 60/414603	application(s) onal application al application umber BENEFIT O under Title 3	listed below: fons have been filed as have been filed as Date of Filing september 27, 2002 F EARLIER U.S./F 5, United States Co	follows: Priori Under X Y PCT APPLI ode, §120 o	ty Claimed 35 USC 119 es No CCATION(S) f the United State
cs provisional patent a no such U.S. provisional such U.S. provisional such U.S. provisional Application N 60/414605 CLAIM FOR eby claim the benefit fication(s) listed below cation is not disclose	pplication(s) onal application al application umber BENEFIT O under Title 3 and, insofar d in the prior	listed below: ions have been filed have been filed as Date of Filing september 27, 2002 F EARLIER U.S./F 5, United States Coas the subject matt United States applied	follows: Priori Under X Y PCT APPLI ode, §120 of er of each of cation in the	ty Claimed 35 USC 119 es No CCATION(S) f the United State of the claims of the manner provide
cs provisional patent a no such U.S. provisional such U.S. provisional such U.S. provisional such U.S. provisional Application N 60/414605 CLAIM FOR eby claim the benefit ication(s) listed below ication is not disclose first paragraph of Title	application(s) onal application al application umber BENEFIT O under Title 3 and, insofar d in the prior 35, United S	listed below: tons have been filed as Date of Filing teptember 27, 2002 F EARLIER U.S./F 5, United States Coas the subject matt United States applicates Code, §112, I	follows: Priori Under X Y PCT APPLI Ode, §120 of each of cation in the acknowled	ty Claimed 35 USC 119 es No CATION(S) f the United State of the claims of the manner provided the duty to dispense the duty to dispen
cs provisional patent a no such U.S. provisional such U.S. provisional such U.S. provisional Application N 60/414605 CLAIM FOR eby claim the benefit cation(s) listed below cation is not disclose	BENEFIT O under Title 3 v and, insofar d in the prior e 35, United Serial to paten became avail	listed below: ions have been filed as Date of Filing deptember 27, 2002 F EARLIER U.S./F 5, United States Coas the subject matt United States applicates Code, §112, I tability in accordant able to me between	Priori Under X Y PCT APPLI Ode, §120 of er of each of cation in the acknowled to the filing of	ty Claimed 35 USC 119 es No CCATION(S) If the United State of the claims of the manner providing the duty to did le 37, Code of Feddate of the prior

Relationship	Parent Application	Date of Filing
is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003
	is a National Stage filing	is a National Stage filing PCT/US02/020001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

all of Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from The Research Foundation of State University of New York as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Please mail all correspondence to Matthew P. Vincent, whose address is:

Ropes & Gray LLP
One International Place
Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Full name of third inventor, if any	
Crogory I Hannon	
Gregory J. Hannon Third inventor's signature	Date
Third inventor's signature	7-31-06
/	1-31-08
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
•	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	Date
Seventh inventor's signature	
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
	•
Full name of eighth inventor, if any	
Ross Dickins	Date
Eighth inventor's signature	
Residence	
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Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
SIXIII IIIVOITO S SIGNATURE	
Residence	·
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
That had been a second as a se	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	-
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
	•
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CELL-BASED RNA INTERFERENCE AND RELATED METHODS AND COMPOSITIONS

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EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Fi		riority Claimed ider 35 USC 119
ALL FOREIGN AP (6 MONTHS		I(S), IF ANY FILE IGN) PRIOR TO TH		
Application Numbe	r	Country	Date	of Filing
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no such U.S. provisional such U.S. provisional such U.S. provisional Application N	application(s) onal applicat al application	ions have been filed have been filed as	follows: Priority Cl. Under 35 U	aimed SC 119
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such U.S. provisiona Application N 60/414609	BENEFIT Counder Title 3 v and, insofar d in the priore 35, United Serial to paten became avai	Date of Filing September 27, 2002 OF EARLIER U.S./II States Cote as the subject matter United States apple States Code, §112, Intability in accordantable to me between	Priority Clauder 35 Under 35 Under 35 Under 36 Under 36 Under 36 Under 36 Under 36 Under 37 Under 37 Under 38 U	TION(S) United State claims of tanner provide duty to day, Code of F of the prior

x such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Gregory J. Hannon	
hird inventor's signature	Date
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	Date 1
Seventh inventor's signature	18/17/11/
Michell a. Camell	1944
Residence	•
Nesconset, New York	
Citizenship US	
Mailing Address	
A 40 CM La Damid	
142 Gibbs Pond Nesconset, New York 11767	
Nesconset, New York Yare	
Full name of eighth inventor, if any	
Ross Dickins	Date
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
_	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	<u> </u>
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
,	
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	

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ALL FOREIGN AP (6 MONTHS		S), IF ANY FILEI S) PRIOR TO THI		
Application Number	r	Country		Date of Filing
CLAIM FOR BEN	IEFIT OF EAR	LIER U.S. PROV	/ISIONAI	L APPLICATION
-		ns have been filed		
such U.S. provisiona	al application h	ave been filed as	follows:	rity Claimed
such U.S. provisiona	al application ha	ave been filed as t	follows: Prior	r 35 USC 119
such U.S. provisiona	al application ha	ave been filed as	follows: Prior	
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Such U.S. provisiona Application No. 60/414605	al application has been been been been been been been bee	Date of Filing Detember 27, 2002 EARLIER U.S./F	Prior Under X V	Yes No LICATION(S)
Application Notes to the CLAIM FOR reby claim the benefit fication(s) listed below	BENEFIT OF under Title 35,	Date of Filing Date of Filing Date States Cost the subject matter	Prior Under X PCT APPL ode, §120 der of each	Yes No LICATION(S) of the United State of the claims of the
Application Notes 60/414605 CLAIM FOR reby claim the benefit lication(s) listed below lication is not disclose	BENEFIT OF under Title 35, and, insofar as d in the prior U	Date of Filing Detember 27, 2002 EARLIER U.S./F	Prior Under X Prior Under X PCT APPL ode, §120 cer of each cation in t	Yes No LICATION(S) of the United State of the claims of the manner provide
Application Notes 60/414605 CLAIM FOR reby claim the benefit lication(s) listed below lication is not disclose first paragraph of Title information that is mat	BENEFIT OF under Title 35, and, insofar as d in the prior U e 35, United Sta erial to patenta	Date of Filing Date of Filing Date of Filing Date States Cos the subject matter Inited States appliates Code, §112, I bility in accordance	Prior Under X PCT APPL ode, §120 cer of each cation in tacknowle ce with Ti	JICATION(S) of the United State of the claims of the manner provided the duty to ditte 37, Code of Fe
Application Notes to the control of	BENEFIT OF under Title 35, v and, insofar as d in the prior U e 35, United Sta erial to patenta became availab	Date of Filing Date of Filing	Prior Under X PCT APPL ode, §120 der of each cation in the acknowledge with Tight the filing	AS USC 119 Yes No LICATION(S) of the United State of the claims of the manner provided the duty to dittle 37, Code of Feddate of the prior
Such U.S. provisiona Application No. 60/414605 CLAIM FOR	BENEFIT OF under Title 35, and, insofar and in the prior Ute 35, United Staterial to patental became available all or PCT inter-	Date of Filing Date o	Prior Under X PCT APPL ode, §120 der of each cation in the acknowledge with Tight the filing	AS USC 119 Yes No LICATION(S) of the United State of the claims of the manner provided the duty to dittle 37, Code of Feddate of the prior

Application Number	Relationship	Parent Application	Date of Filing September 29, 2003	
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All practitioners at Customer Number 28120

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Ropes & Gray LLP One International Place Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Full name of third inventor, if any	
Gregory J. Hannon	
Third inventor's signature	Date
	\
Residence	, de
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
G. W. County investor (County)	
Full name of seventh inventor, if any Michelle A. Carmell	
Seventh inventor's signature	Date
_	
Paridona	
Residence Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond Nesconset, New York 11767	
Mesconser, new Tolk 11707	
Full name of eighth inventor, if any	
Ross Dickins Eighth inventor's signature	Date
	7/26/06
Kossychol	1/26/06
Residence!	
Cold Spring Harbor, New York Citizenship Australia	
Citizenship Australia Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	•
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	·
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
, maning , ladiess	•
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
The state of the s	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
	Bate
	Date
Residence	Date
Residence Sound Beach, New York	Date
Sound Beach, New York	Date
Sound Beach, New York Citizenship US	Date
Sound Beach, New York	Date
Sound Beach, New York Citizenship US Mailing Address 68 Mitchell Drive	Date
Sound Beach, New York Citizenship US Mailing Address	Date

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	
Diookine, Massachusetts 02440	

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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CELL-BASED RNA INTERFERENCE AND RELATED METHODS AND COMPOSITIONS

which is a national stage filing under 35 U.S.C. 371 of PCT application PCT/US03/030901, filed on February 15, 2005, now assigned Application No. 10/524690.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

X	no such foreign applications have been filed
	such foreign application have been filed as follows:

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United	ed
States provisional patent application(s) listed below:	

	no such	LLS	provisional	applications	have been	filed
1 1	no such	\mathbf{O} . \mathbf{O} .	provisionar	applications	nave been	mea.

I	x	such U.S.	provisional	application	have been	filed as	follows:
ı			F	P P C C		III Cu us	10110 11 5

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

L_	no such U.S./PCT applications have been filed.
x	such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing	
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

all of Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from The Research Foundation of State University of New York as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Please mail all correspondence to Matthew P. Vincent, whose address is:

Ropes & Gray LLP One International Place Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Full name of third inventor, if any	
Gregory J. Hannon	Date
hird inventor's signature	Date
	Ì
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
34 Griffith Lane	
Huntington, New York 11743	
	
C	
Full name of seventh inventor, if any Michelle A. Carmell	
Michelle A. Carmen Seventh inventor's signature	Date
PEACHIN HACHIOL 2 SIGNATURE	
. <u> </u>	
Residence	
Nesconset, New York	
Citizenship US	,
Mailing Address	
440 CTL - Pand	
142 Gibbs Pond Nesconset, New York 11767	
Nesconset, New York 11707	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
D. Maria	
Residence Cold Spring Harbor, New York	
Citizenship Australia Mailing Address	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	Date
Sixth inventor's signature	
	18/23/06
Residence	
Newark, Delaware	
Citizenship US	-
Mailing Address	
-	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
1 3	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
Thin inventor o signature	buic
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
69 Misskell Drive	
68 Mitchell Drive Sound Beach, New York 11789	
bound beach, New 10th 11/07	

F 11 0001	
Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
·	
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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FOREIGN PRIORITY CLAIM

x no such foreign applications have been filed	
such foreign application have been filed as follows:	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any Uni	ted
States provisional patent application(s) listed below:	

			no such	U.S.	provisional	applications	have been	filed
--	--	--	---------	------	-------------	--------------	-----------	-------

Application Number	Date of Filing Priority Claimed Under 35 USC 119	
60/414605	September 27, 2002	X Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

	no such U.S./PCT applications have been filed.
x	such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

all of Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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Please mail all correspondence to Matthew P. Vincent, whose address is:

Ropes & Gray LLP One International Place Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Full name of third inventor, if any	
Gregory J. Hannon	
Third inventor's signature	Date
This inventor 5 signature	Bute
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	•
Citizenship US	
Mailing Address	
Maning Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Total opining random, row Total 11/27	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
50 11/11 6 1 1	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Second inventor 5 signature	7/21/06
/ Whit has	
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
NO.4	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	_
Full name of sole or first inventor	
Scott W. Lowe	15
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
•	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	Date
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
111111111	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	•
Thomas A. Rosenquist	
Ninth inventor's signature	Date
111111 M. 111111 - 110	
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	
Sound Deach, New Tork 11707	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Allemown, Felinsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
	
Citizenship US	
Mailing Address	
an Chathau Sa	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

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Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

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Application Number	Country	Date of Filing
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CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35	, United States Code §119(e), of any United
States provisional patent application(s) listed	below:

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X	such U.S.	provisional	application	have been	filed as	follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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x	such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

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Full name of third inventor, if any	
Gregory J. Hannon	
	Date
	Date
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
runnington, new rolk 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	····
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	!
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
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Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
	i i
50 Willow Creek Land	
50 Willow Creek Lane Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
	į
Residence	l
Cambridge, Massachusetts	
Citizenship US	·
Mailing Address	}
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Dowe	
Sole or first inventor' signature	Date
100/-	7-31-06
CASE US	
Residence	•
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	İ
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	!
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist Ninth inventor's signature	Date
Ninth inventor's signature	
Residence	
Sound Beach, New York	
Citizenship US	
l Mailing Address	
Mailing Address	
68 Mitchell Drive Sound Beach, New York 11789	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE <u>DECLARATION FOR PATENT APPLICATION</u>

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

frame prompt to damed.	
x no such foreign applications have been filed	
such foreign application have been filed as follows:	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any Unit	ted
States provisional patent application(s) listed below:	

	no such U.S.	provisional	applications	have	been	filed.
--	--------------	-------------	--------------	------	------	--------

Application Number	Date of Filing	Priority Claimed Under 35 USC 119		
60/414605	September 27, 2002	X Yes No		

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

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Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

Full name of third is	
Full name of third inventor, if any	
Gregory J. Hannon	
Third inventor's signature	Date
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
Matting Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
, , , , , , , , , , , , , , , , , , , ,	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
D. I	
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Laws	
50 Willow Creek Lane Newark, Delaware 19711	
Tremain, Delawaic 19/11	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Second inventor o signature	
Residence Construit on Maggachysatts	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor Scott W. Lowe	
Sole or first inventor's signature	Date
2016 Of the filterior 2 arguments	
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth neventor, if any	
Patrick / Pathison	I Date
Fourth invertor's sphature	Date
(A) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	17/21/00
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	Date
Ninth inventor's signature	Date
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2222 Liberty Street 2nd Elec	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	<u> </u>
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	
Diookine, Massachusetts 02440	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE <u>DECLARATION FOR PATENT APPLICATION</u>

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CELL-BASED RNA INTERFERENCE AND RELATED METHODS AND COMPOSITIONS

which is a national stage filing under 35 U.S.C. 371 of PCT application PCT/US03/030901, filed on February 15, 2005, now assigned Application No. 10/524690.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

x no such foreign applications have been filed	
such foreign application have been filed as follows:	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United	ed
States provisional patent application(s) listed below:	

	no such	U.S.	provisional	applications	have	been	filed.
-			r			~	

x such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

	no such U.S./PCT applications have been filed.
X	such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing	
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

all of Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from The Research Foundation of State University of New York as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Please mail all correspondence to Matthew P. Vincent, whose address is:

Ropes & Gray LLP
One International Place
Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

Full name of third inventor, if any	
Gregory J. Hannon	
	D-1-
Time inventor s signature	Date
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
resconset, new rolk 11707	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full round of circle in the initial in the initial in the initial in the initial initial in the initial initial in the initial	
Full name of sixth inventor, if any Jordan Fridman	
Sixth inventor's signature	
Sixth inventor 8 signature	Date
Residence	. L.,
Newark, Delaware	
Citizenship US	
Mailing Address	
<u>.</u>	
50 Willow Creek Lane	
Newark, Delaware 19711	

	· · · · · · · · · · · · · · · · · · ·
Full name of second inventor, if any	·
Michael Hemann	Date
Second inventor's signature	
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
Maining Madicol	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	Date
Sole or first inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
Maining 1 to 5 to	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	Date
Ninth inventor's signature	
1/4)	9/18/06
Residence	
Sound Beach, New York	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	

Full name of fifth inventor, if any	
Jack Zilfou	
Fifth inventor's signature	Date
D. H	
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	
Citizenship US	
Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

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FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

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such foreign application have been filed as follows:	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

 Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

hereby claim priority benefits under Title 35, United States Code §119(e), of any United	ed
States provisional patent application(s) listed below:	

i	no such	U.S.	provisional	applications	have	been	filed.
и			•	* *			

х	such U.S.	provisional	application	have been	filed as	follows
/L	Such C.D.	provisionar	application	nave been	med as	TOHOWS

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

application and the hational of PC1 international filing date of this applica	tion:
no such U.S./PCT applications have been filed.	
x such U.S./PCT application have been filed as follows:	

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

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Ropes & Gray LLP One International Place Boston, Massachusetts 02110-2624

Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

Full name of third inventor, if any	
Gregory J. Hannon	
	Date
Time inventor 3 signature	Date
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
24.0 ((%))	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	· · · - · · · · · · · · · · · · · · · ·
Michelle A. Carmell	
Seventh inventor's signature	Date
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Cibb. D. 1	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
D. II	
Residence Cold Spring Horbor, New York	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
maning radices	
50 Willow Creek Lane	
Newark, Delaware 19711	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Data
Sole of this inventor saignature	Date
Residence	<u> </u>
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Bungtown Road	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Tourn inventor 5 signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
Sound Beach, New York 11789	
Sound Seach, New York 11707	

Full name of fifth inventor, if any	
Jack Zilfou	I D-4-
Fight inventor's signature	Date
Me 12 20 fr	8-10-06
Residence	
Allentown, Pennsylvania	
Citizenship US	
Mailing Address	
2233 Liberty Street, 2nd Floor	
Allentown, Pennsylvania 18104	
Full name of fifth inventor, if any	
Stephen J. Elledge	
Fifth inventor's signature	Date
Residence	
Brookline, Massachusetts	

Mailing Address	
33 Chatham Street	
Brookline, Massachusetts 02446	
TTT TTT	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

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х	no such foreign applications have been filed
	such foreign application have been filed as follows:

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
	<u>.,</u>		

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any Uni	ited
States provisional patent application(s) listed below:	

	no such U.S.	provisional	applications	have been	filed
ı	 no such U.S.	provisional	applications	nave been	mea.

x	such U.S. provisio	nal application	have been	filed as follows:
^	. Such C.S. provisio	mai appiication	. Have been	med as follows.

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/414605	September 27, 2002	X Yes No

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

	plication and the national or PCT international filing date of this application:
	no such U.S./PCT applications have been filed.
х	such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
This application	is a National Stage filing under 35 U.S.C. § 371 of	PCT/US03/030901	September 29, 2003
		1	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 28120

all of Ropes & Gray LLP, One International Place, Boston, Massachusetts 02110-2624, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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Please direct telephone calls to: Matthew P. Vincent at (617) 951-7739.

Please direct facsimiles to: (617) 951-7050

Full name of third inventor, if any	
Gregory J. Hannon	
Third inventor's signature	Date
Residence	
Huntington, New York	
Citizensh US	
Mailing Address	
34 Griffith Lane	
Huntington, New York 11743	
Full name of seventh inventor, if any	
Michelle A. Carmell	
Seventh inventor's signature	Date
	5
Residence	
Nesconset, New York	
Citizenship US	
Mailing Address	
142 Gibbs Pond	
Nesconset, New York 11767	
Full name of eighth inventor, if any	
Ross Dickins	
Eighth inventor's signature	Date
Residence	
Cold Spring Harbor, New York	
Citizenship Australia	
Mailing Address	
1 Bungtown Road, James Building	
Cold Spring Harbor, New York 11724	
Full name of sixth inventor, if any	
Jordan Fridman	
Sixth inventor's signature	Date
Residence	
Newark, Delaware	
Citizenship US	
Mailing Address	
50 Willow Creek Lane	
Newark, Delaware 19711	
•	

Full name of second inventor, if any	
Michael Hemann	
Second inventor's signature	Date
Residence	<u> </u>
Cambridge, Massachusetts	
Citizenship US	
Mailing Address	
332 Franklin Street, Apt. #201	
Cambridge, Massachusetts 02139	
Full name of sole or first inventor	
Scott W. Lowe	
Sole or first inventor's signature	Date
Sole of this inventor saighature	Date
Residence	I
Cold Spring Harbor, New York	
Citizenship US	
Mailing Address	
One Burgetown Board	
One Bungtown Road Cold Spring Harbor, New York 11724	
Cold Spring Harbor, New York 11724	
Full name of fourth inventor, if any	
Patrick J. Paddison	
Fourth inventor's signature	Date
Residence	
Oyster Bay, New York	
Citizenship US	
Mailing Address	
Training Address	
9 Moffett Street	
Oyster Bay, New York 11771	
Full name of ninth inventor, if any	
Thomas A. Rosenquist	
Ninth inventor's signature	Date
Residence	
Sound Beach, New York	
Citizenship US	
Mailing Address	
68 Mitchell Drive	
68 Mitchell Drive	
68 Mitchell Drive Sound Beach, New York 11789	

Date
· · · · · · · · · · · · · · · · · · ·
Date
8/23/2006